

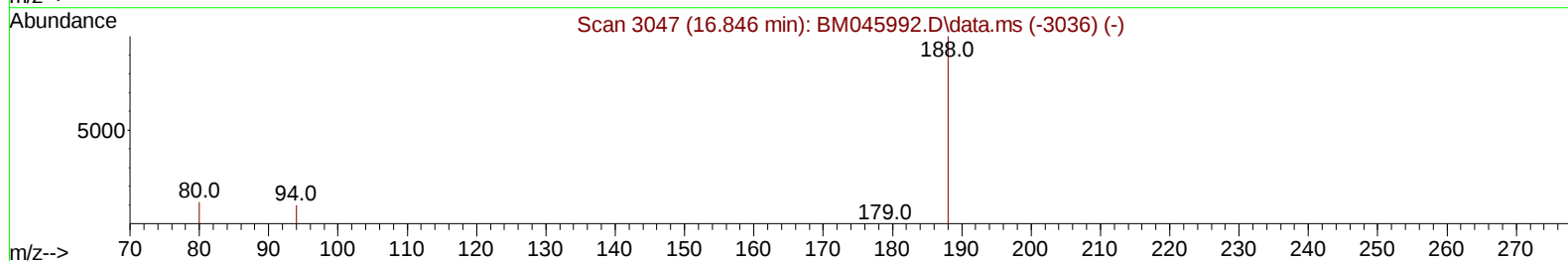
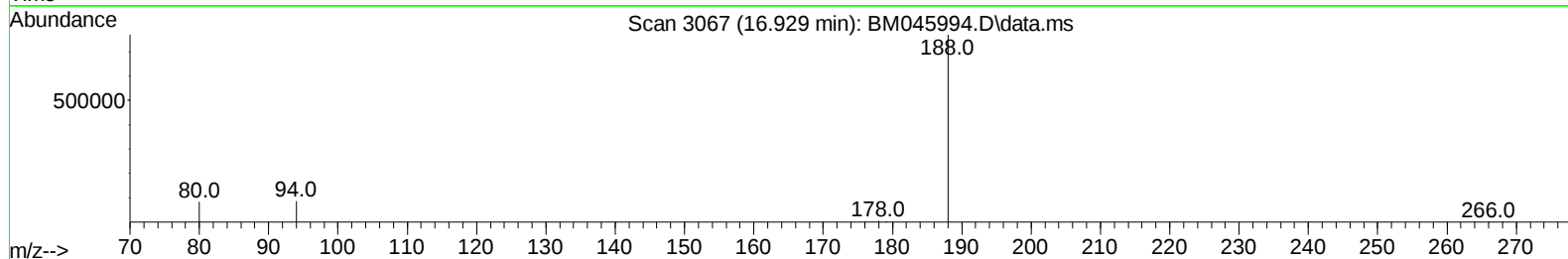
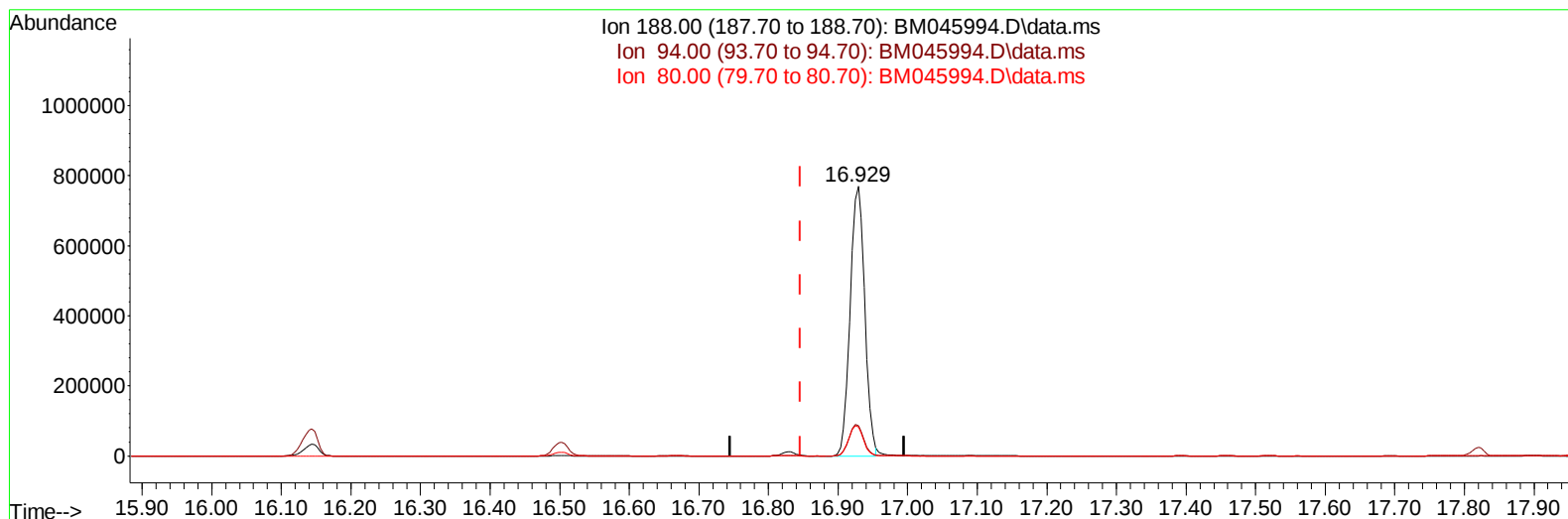
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045994.D\data.ms

(13) Phenanthrene-d10 (I)

16.929min (+ 0.083) 0.40 ng/u1

response 1121887

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.30
80.00	11.70	10.76
0.00	0.00	0.00

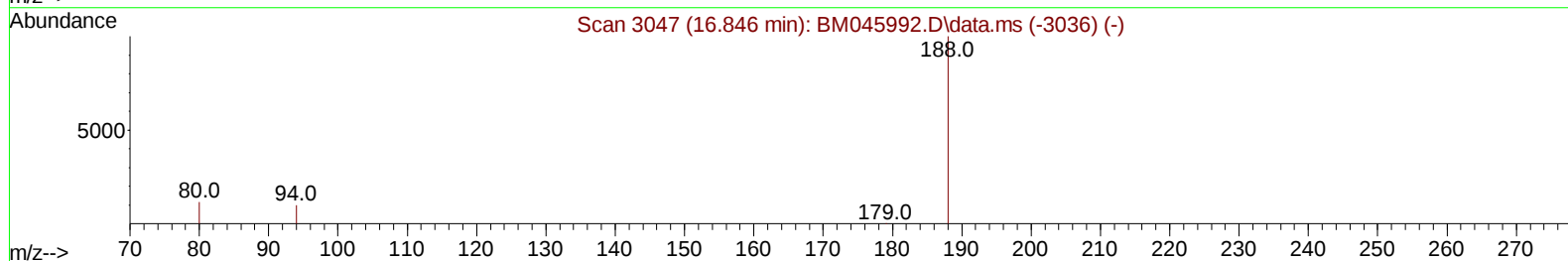
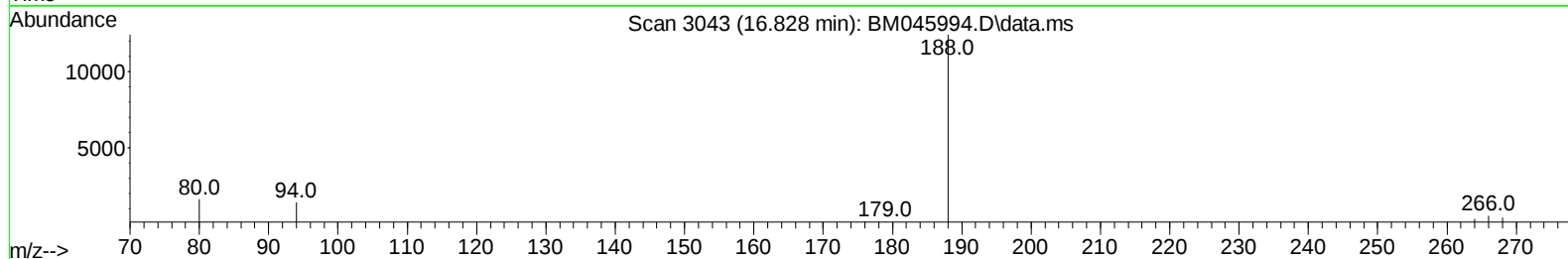
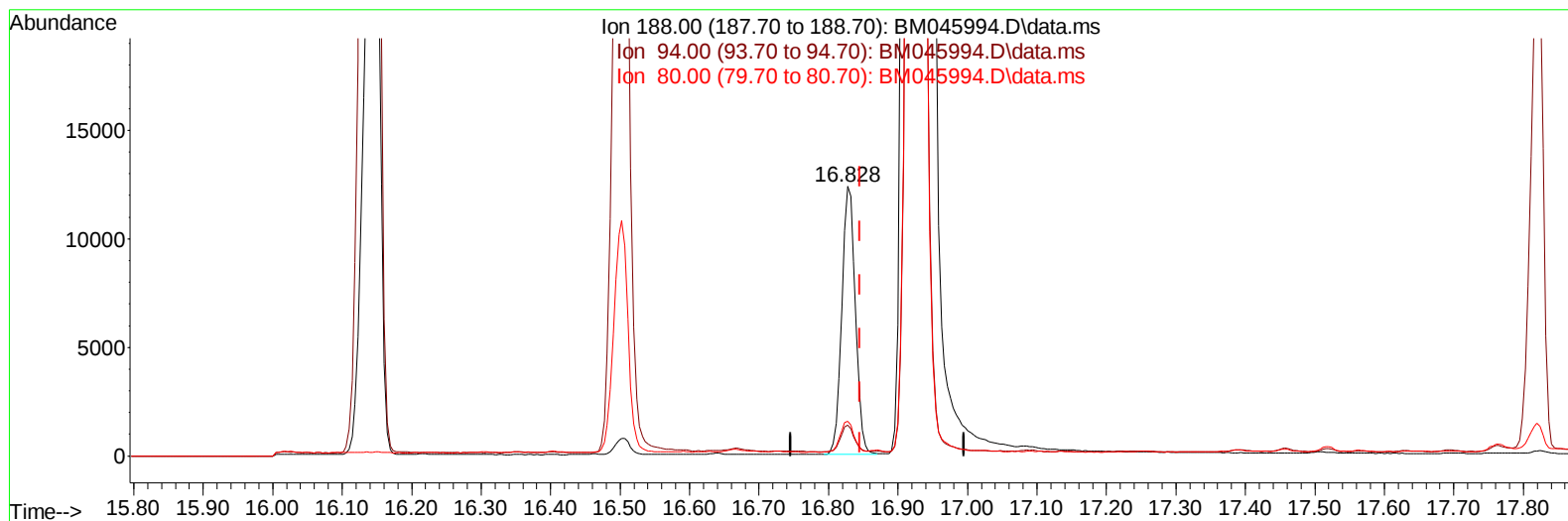
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045994.D\data.ms

(13) Phenanthrene-d10 (I)

16.828min (-0.018) 0.40 ng/u1 m

response 16710

Ion	Exp%	Act%
188.00	100.00	100.00
94.00	10.50	11.38
80.00	11.70	12.81
0.00	0.00	0.00

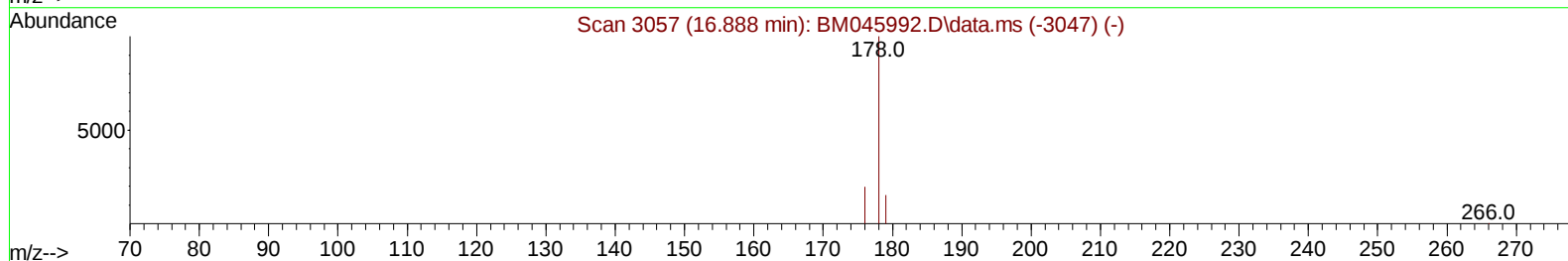
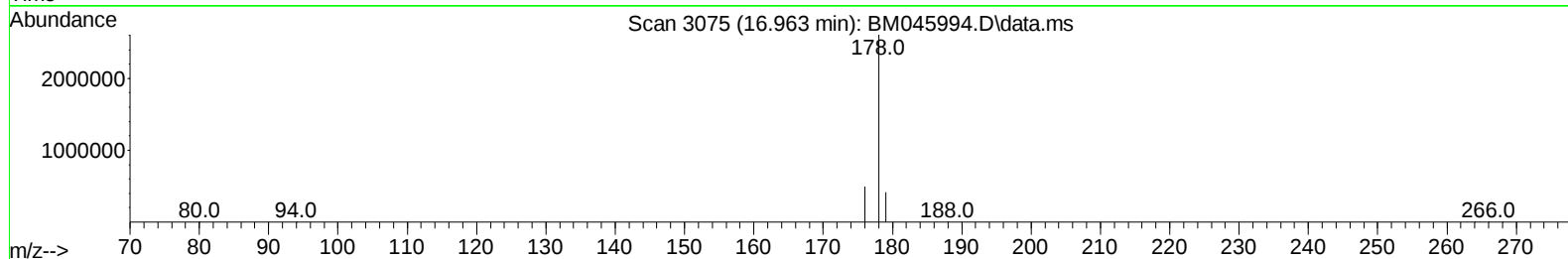
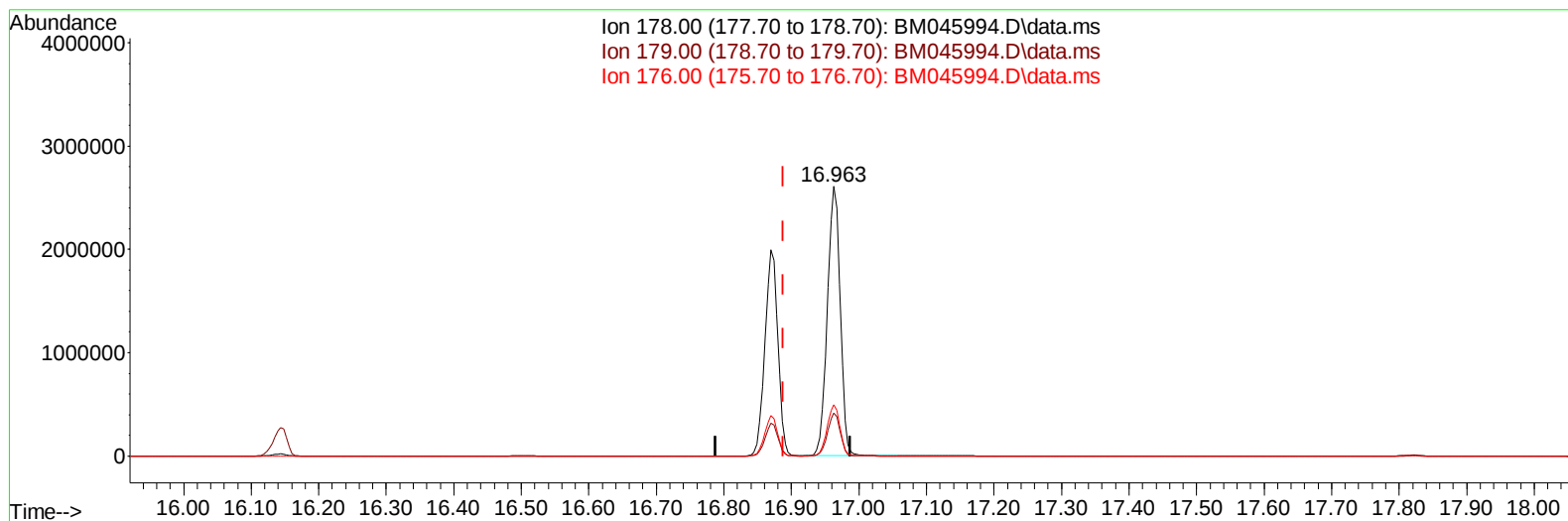
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
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TIC: BM045994.D\data.ms

(15) Phenanthrene

16.963min (+ 0.075) 73.74 ng/u1

response 3459721

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.90
176.00	19.50	19.04
0.00	0.00	0.00

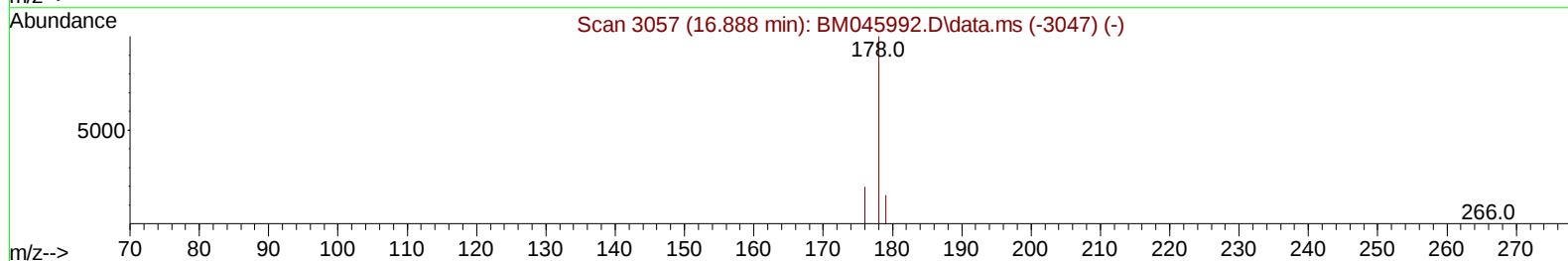
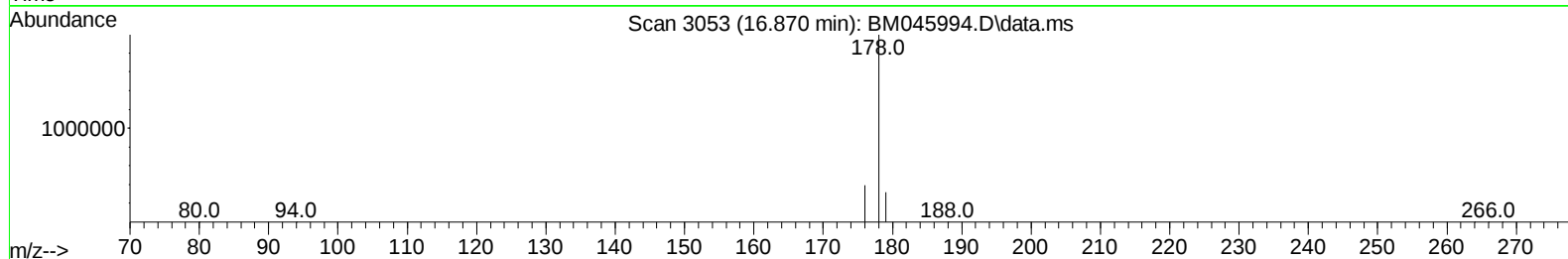
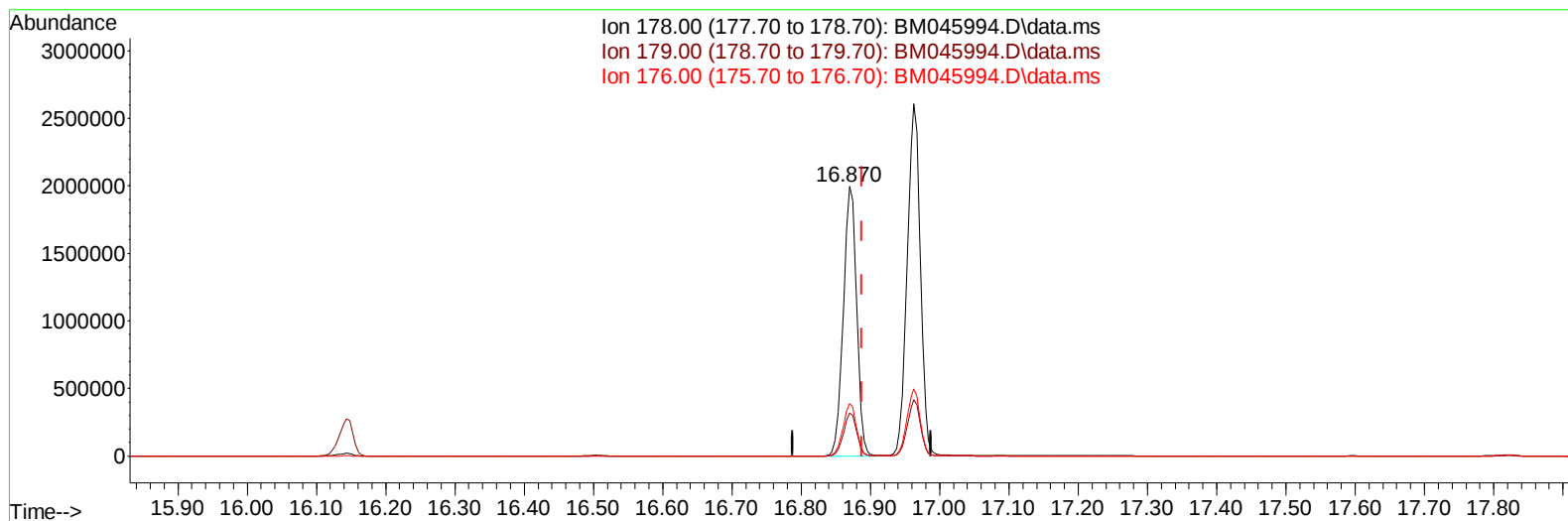
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
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TIC: BM045994.D\data.ms

(15) Phenanthrene

16.870min (-0.018) 56.75 ng/u1 m

response 2662651

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	15.90	15.83
176.00	19.50	19.53
0.00	0.00	0.00

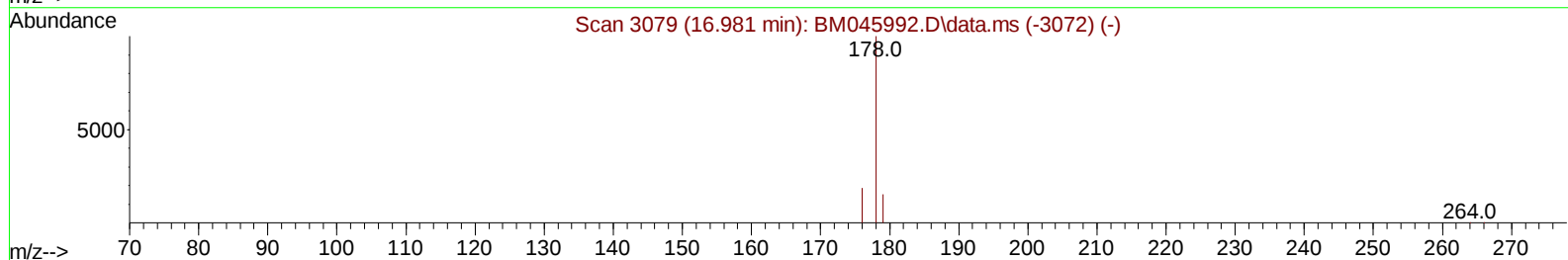
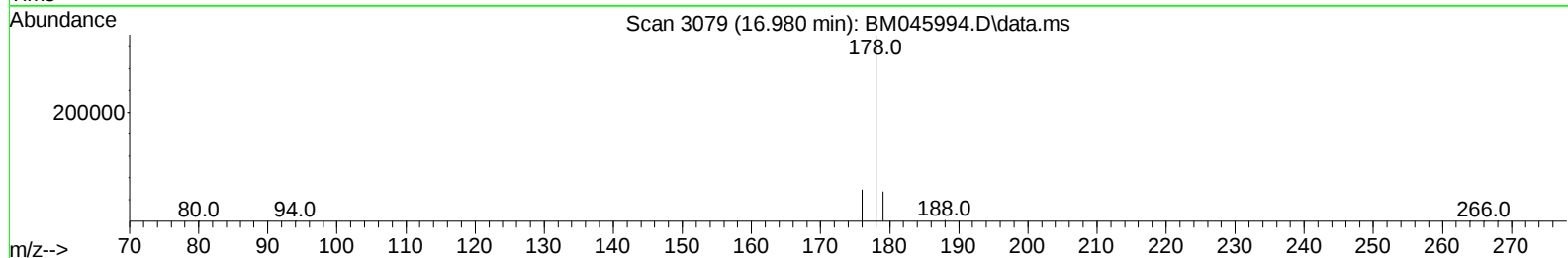
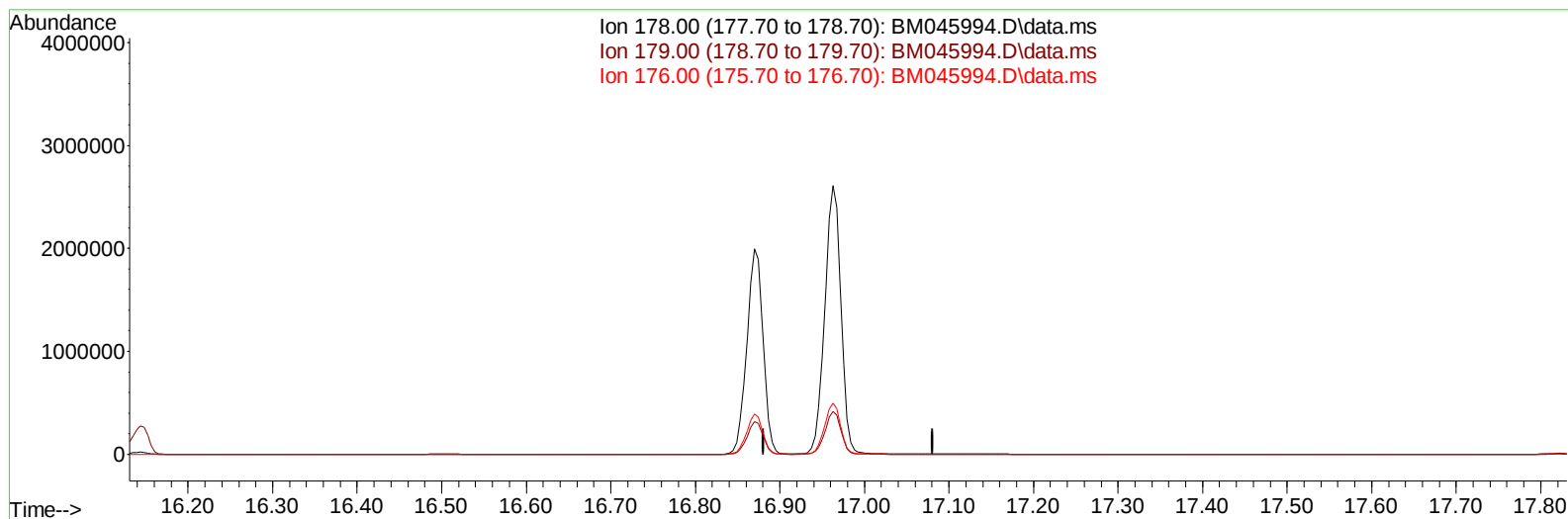
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
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TIC: BM045994.D\data.ms

(16) Anthracene

16.981min (-16.981) 0.00 ng/u1

response 0

Ion	Exp%	Act%
178.00	100.00	0.00
179.00	16.40	0.00#
176.00	19.40	0.00#
0.00	0.00	0.00

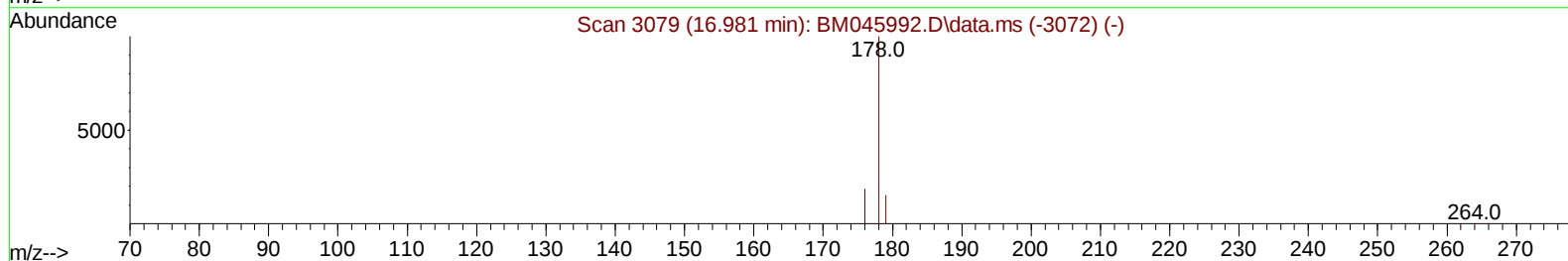
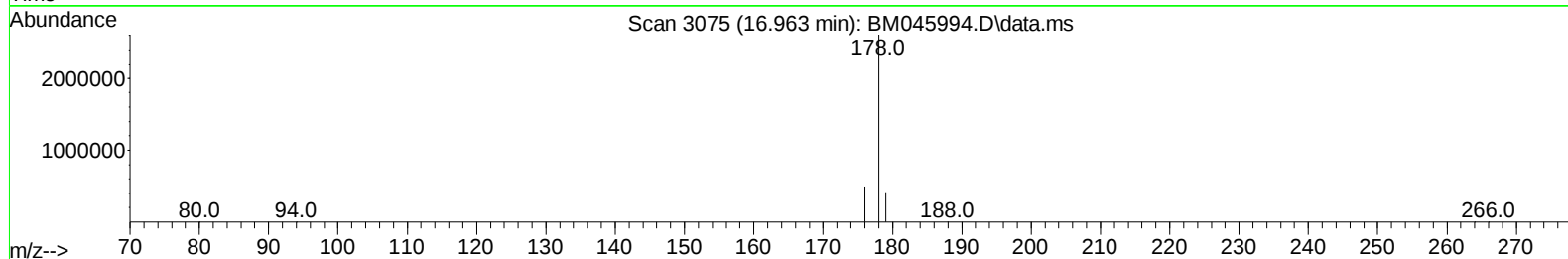
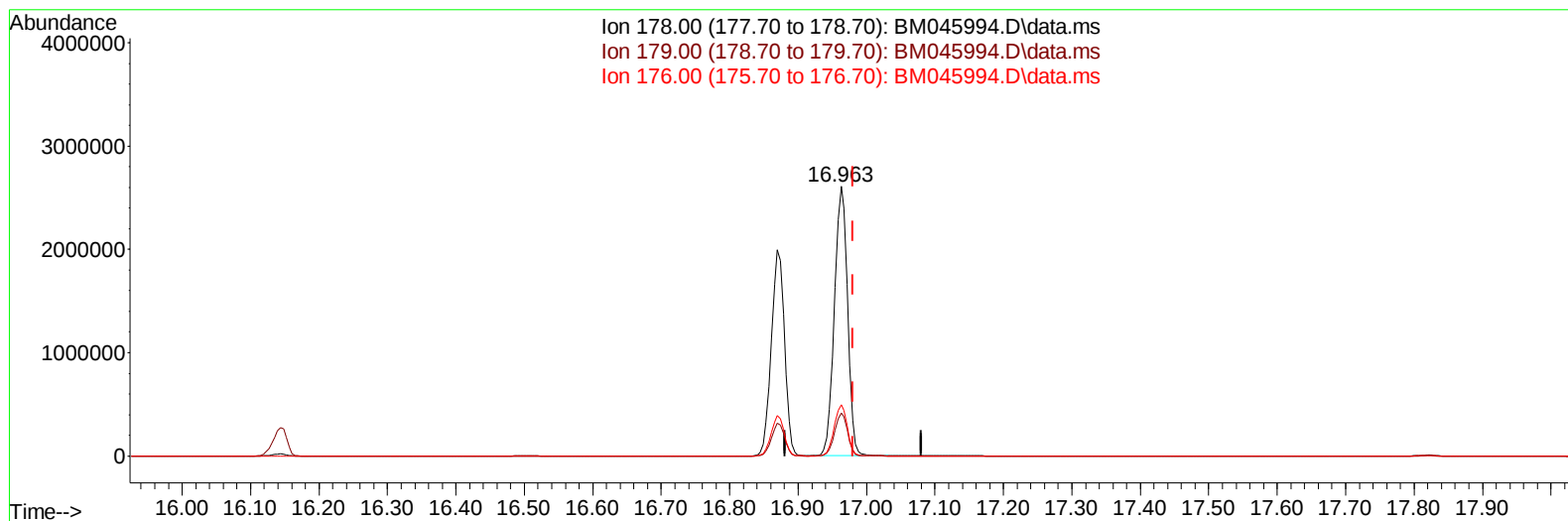
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
Response via : Initial Calibration

Reviewed By :Jagrut Upadhyay 06/13/2024
Supervised By :mohammad ahmed 06/15/2024



TIC: BM045994.D\data.ms

(16) Anthracene

16.963min (-0.018) 86.56 ng/ul m

response 3463919

Ion	Exp%	Act%
178.00	100.00	100.00
179.00	16.40	15.90
176.00	19.40	19.04
0.00	0.00	0.00

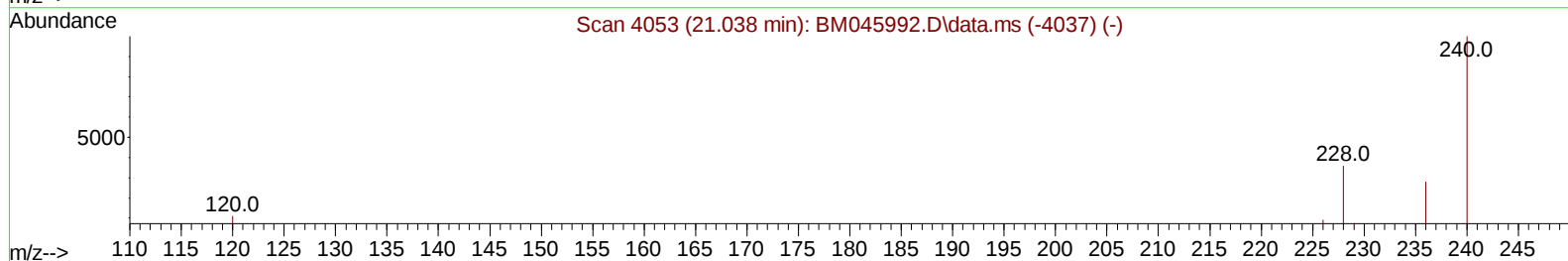
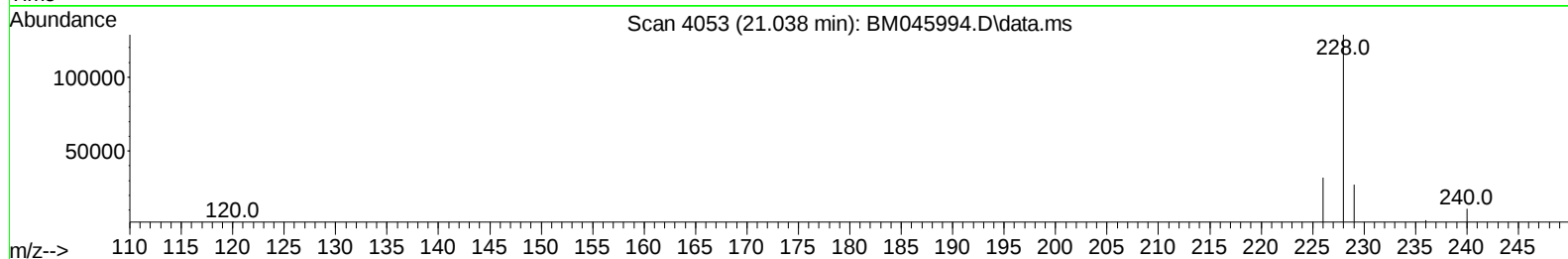
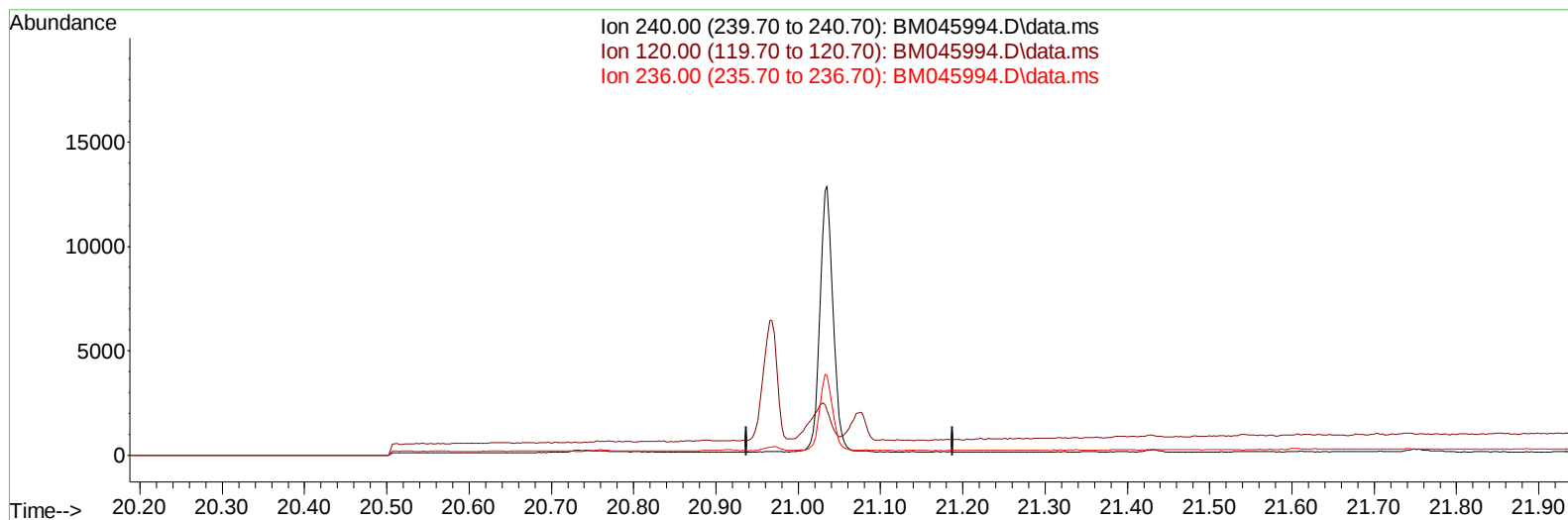
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 13 00:05:38 2024
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TIC: BM045994.D\data.ms

(17) Chrysene-d12

21.038min (-21.038) 0.00 ng/u1

response 0

Ion	Exp%	Act%
240.00	100.00	0.00
120.00	16.10	0.00#
236.00	29.50	0.00#
0.00	0.00	0.00

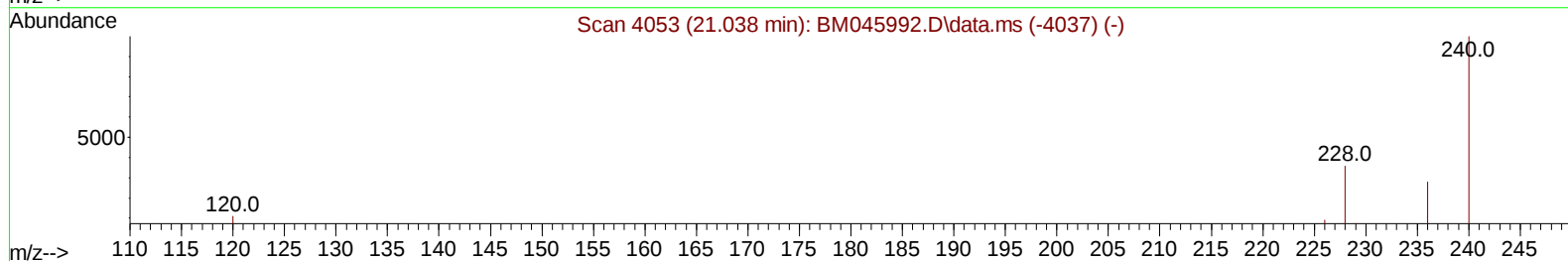
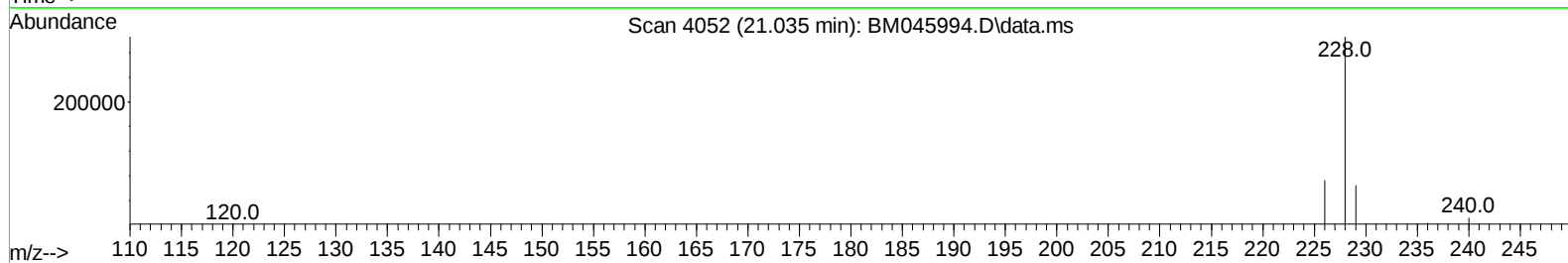
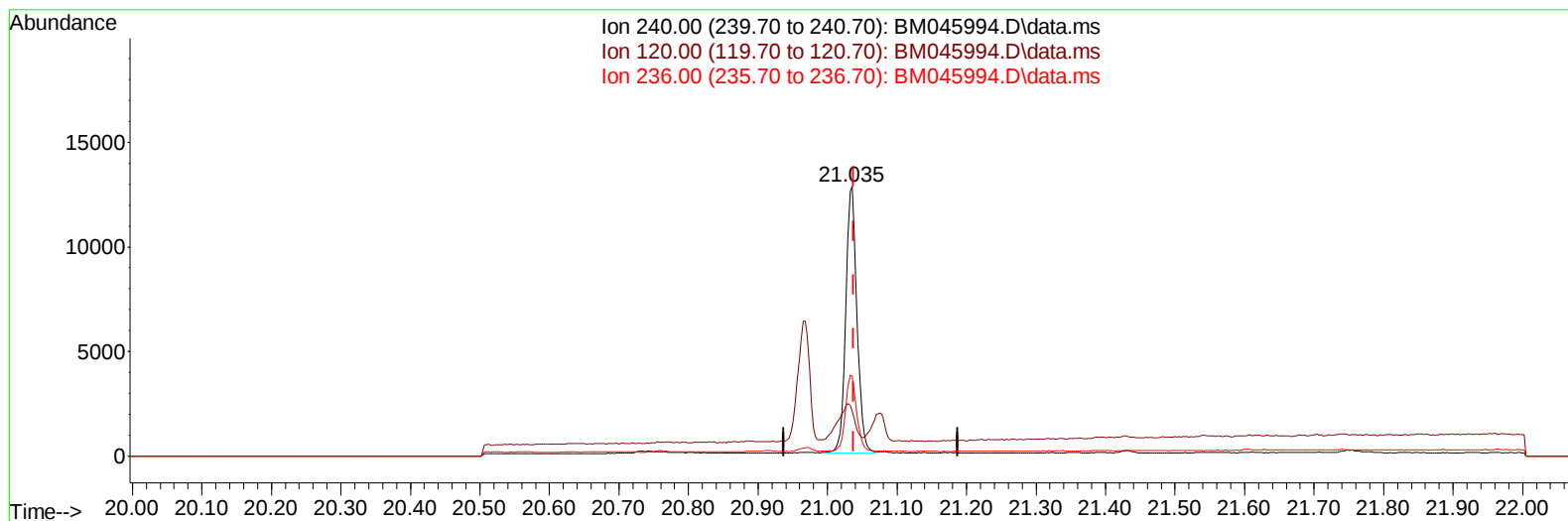
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

Quant Time: Jun 13 00:07:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-SIM-BM060624.M
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Response via : Initial Calibration

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Supervised By :mohammad ahmed 06/15/2024



TIC: BM045994.D\data.ms

(17) Chrysene-d12

21.035min (-0.002) 0.40 ng/ul m

response 14184

Ion	Exp%	Act%
240.00	100.00	100.00
120.00	16.10	16.56
236.00	29.50	29.52
0.00	0.00	0.00

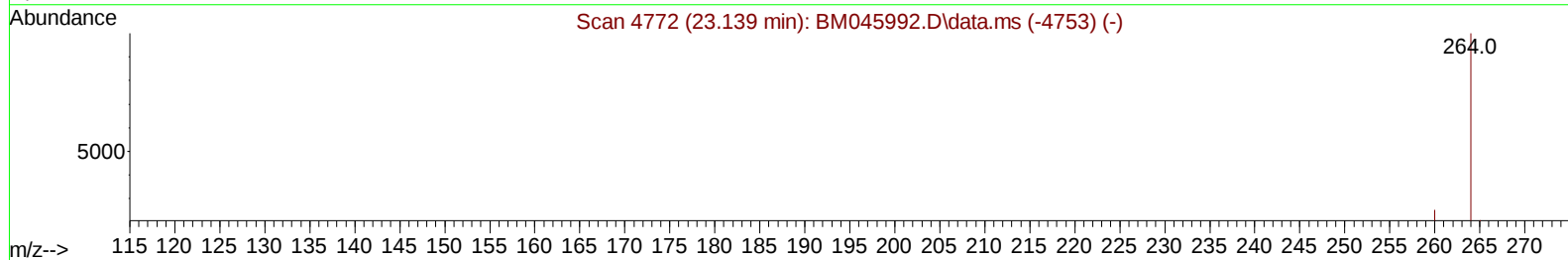
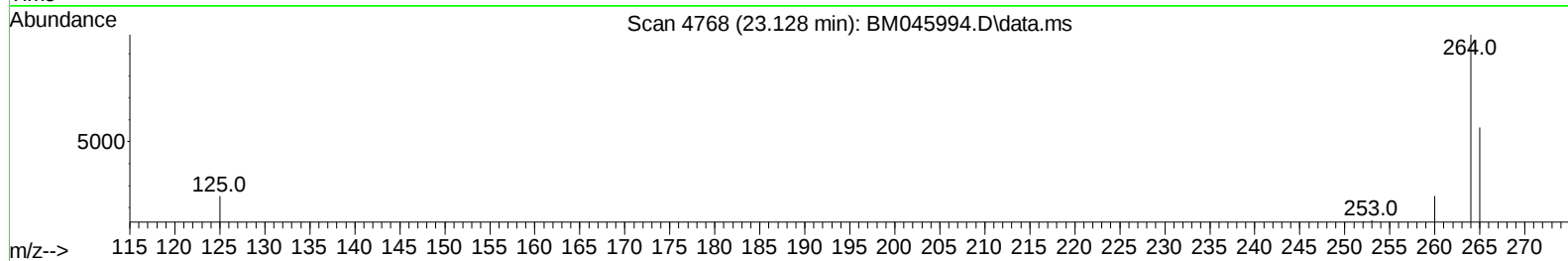
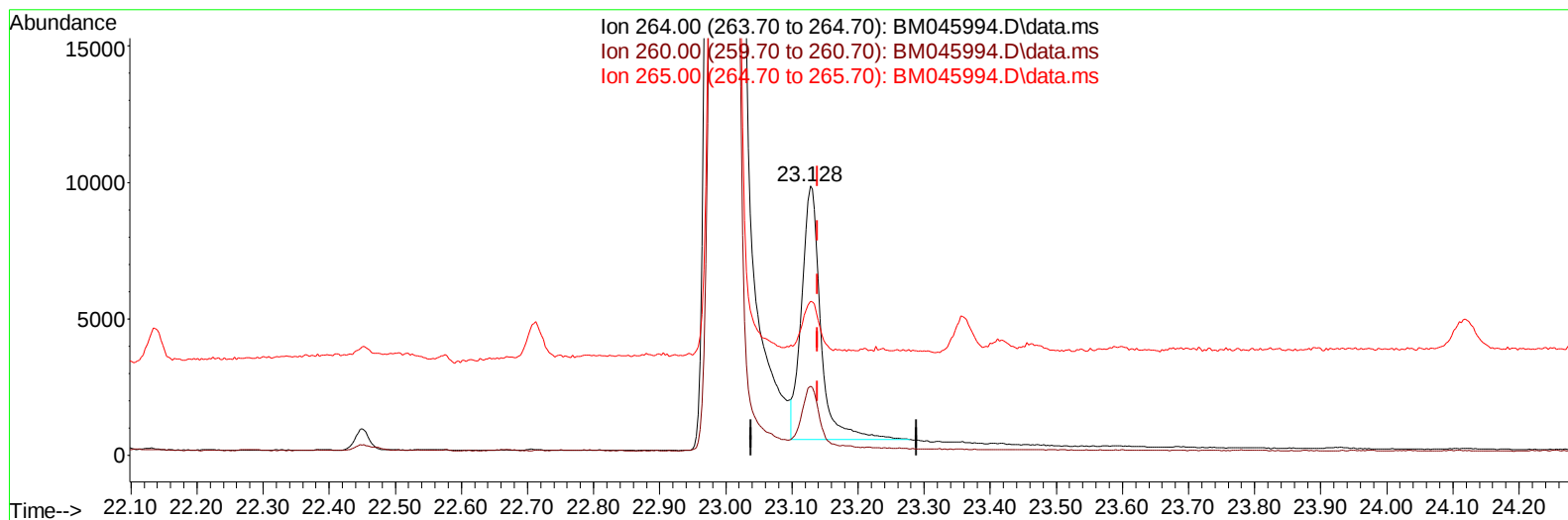
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
Data File : BM045994.D
Acq On : 12 Jun 2024 12:02
Operator : MA/JU
Sample : P2642-18
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

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TIC: BM045994.D\data.ms

(23) Perylene-d12 (I)

23.128min (-0.011) 0.40 ng/u1

response 18588

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.67
265.00	76.60	57.16#
0.00	0.00	0.00

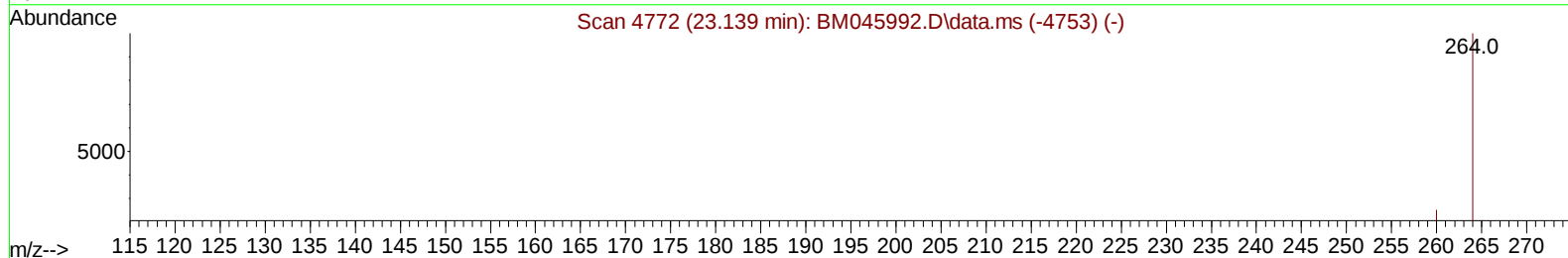
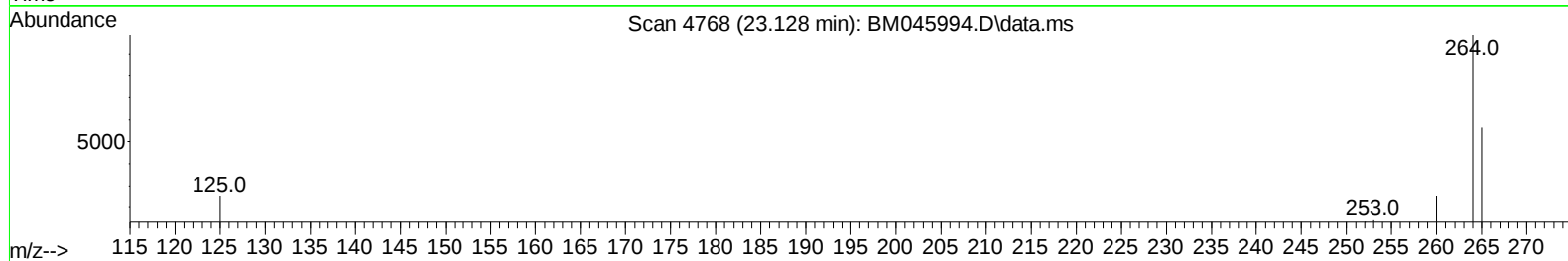
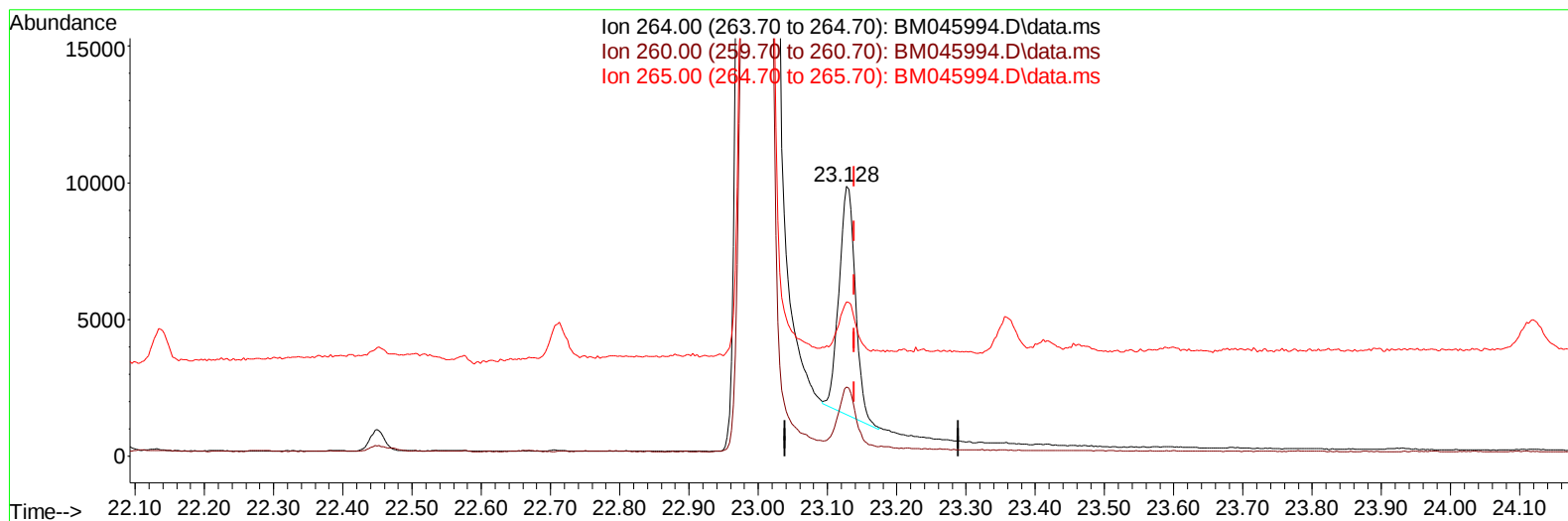
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
A4DG2

Manual IntegrationsAPPROVED

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TIC: BM045994.D\data.ms

(23) Perylene-d12 (I)

23.128min (-0.011) 0.40 ng/ul m

response 13686

Ion	Exp%	Act%
264.00	100.00	100.00
260.00	25.70	25.67
265.00	76.60	57.16#
0.00	0.00	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM061224\
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 Operator : MA/JU
 Sample : P2642-18
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4DG2

Manual IntegrationsAPPROVED

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Compound	R.T.	Q	Ion	Response	Conc	Units	Dev(Min)

Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.438	152		3822	0.400	ng/ul	-0.02
4) Naphthalene-d8	10.198	136		12228	0.400	ng/ul	-0.03
9) Acenaphthene-d10	14.080	164		7237	0.400	ng/ul	-0.02
13) Phenanthrene-d10	16.828	188		16710m	0.400	ng/ul	-0.02
17) Chrysene-d12	21.035	240		14184m	0.400	ng/ul	0.00
23) Perylene-d12	23.128	264		13686m	0.400	ng/ul	-0.01
System Monitoring Compounds							
3) 1,4-Dioxane-d8	3.042	96		15758	3.620	ng/ul	-0.01
6) 2-Methylnaphthalene-d10	11.810	152		5102	0.290	ng/ul	-0.02
18) Fluoranthene-d10	18.861	212		16470	0.388	ng/ul	-0.02
Target Compounds							Qvalue
5) Naphthalene	10.248	128		5042316	157.781	ng/ul	99
7) 2-Methylnaphthalene	11.881	142		858	0.042	ng/ul#	60
10) Acenaphthylene	13.802	152		6028597	183.172	ng/ul	99
11) Acenaphthene	14.145	153		2927903	121.069	ng/ul	98
12) Fluorene	15.135	166		1483736	54.883	ng/ul	98
14) Pentachlorophenol	16.507	266		1374405	439.888	ng/ul	98
15) Phenanthrene	16.870	178		2662651m	56.754	ng/ul	
16) Anthracene	16.963	178		3463919m	86.563	ng/ul	
19) Fluoranthene	18.903	202		9168302	162.099	ng/ul	100
20) Pyrene	19.261	202		4559713	77.282	ng/ul	98
21) Benzo(a)anthracene	21.018	228		6230551	119.670	ng/ul	96
22) Chrysene	21.076	228		7821926	137.999	ng/ul	96
25) Benzo(k)fluoranthene	22.566	252		8161685	163.613	ng/ul#	85
28) Dibenzo(a,h)anthracene	25.213	278		4667637	100.026	ng/ul#	90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : P2642-18
Misc :
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Instrument :
BNA_M
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A4DG2

Manual IntegrationsAPPROVED

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